

WISCONSIN

Science and Engineering Profile

	Wisconsin	U.S.	Rank		Wisconsin	U.S.	Rank
Doctoral scientists, 1993	7,029	430,332	22	Total R&D performance, 1993 (millions)	\$1,851	\$161,427	22
Doctoral engineers, 1993	936	81,293	25	Industry R&D, 1993 (millions)	\$1,343	\$117,622	19
S&E doctorates awarded, 1993	559	25,409	14	Academic R&D, 1993 (millions)	\$444	\$19,489	13
of which, in life sciences	28%	24%		of which, in life sciences	60%	55%	
in engineering	25%	22%		in engineering	12%	16%	
in social sciences	15%	15%		in physical sciences	9%	11%	
S&E postdoctorates, 1993				Higher education current-fund			
in doctorate-granting institutions	643	34,394	17	expenditures, 1993 (millions)	\$3,429	\$163,994	16
S&E graduate students, 1993				Number of SBIR awards, 1990-93	93	13,995	26
in doctorate-granting institutions	9,036	438,128	16	Patents issued to state residents, 1994	1,165	56,039	13
Population, 1994 (000s)	5,082	260,341	18	Gross state product, 1992 (billions)	\$109.5	\$5,994.1	19
Civilian labor force, 1994 (000s)	2,795	131,013	15	of which, agriculture	3%	2%	
Personal income per capita, 1994	\$21,019	\$21,809	22	manufacturing, mining, construction	31%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures 1994 (millions)	\$19,670	\$1,284,896	22	wholesale and retail trade	15%	16%	
R&D obligations 1993 (millions)	\$351	\$65,394	28	finance, insurance, real estate	17%	18%	
				services	16%	20%	
				government	11%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Federal Obligations for Research and Development in Wisconsin by Agency and Performer: Fiscal Year 1993

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	350,775	38,190	0	44,412	238,342	26,369	3,462	28
Department of Agriculture	34,818	23,283	0	122	11,368	0	45	10
Department of Commerce	2,160	748	0	0	1,412	0	0	31
Department of Defense	57,582	1,322	0	20,074	18,093	18,093	0	30
Department of Energy	20,725	100	0	0	19,931	694	0	26
Dept. of Health & Human Services	149,161	0	0	2,007	137,659	7,542	1,953	18
Department of the Interior	12,516	11,930	0	0	562	0	24	16
Department of Transportation	3,028	807	0	125	695	0	1,401	27
Environmental Protection Agency	1,939	0	0	376	1,563	0	0	27
Nat'l Aeronautics & Space Admin.	33,447	0	0	21,358	12,049	40	0	17
National Science Foundation	35,399	0	0	350	35,010	0	39	18
State rank	28	38	na	31	13	17	22	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.